

Great Lakes Environmental Research Laboratory

Lake Michigan Field Station

Building 3 Renovation/Replacement

Muskegon, Michigan



Customer / Line Office: Oceanic & Atmospheric Research, Great Lakes Envir Research Lab

Project Budget: \$1,300,000

Award Date: TBD

Estimated Completion Date: September 17, 2018

Contractor: TBD

PPMD Project Manager: Michael Randall, RA, PM, COR

PPMD Project Scope: PPMD has responded to a request from OAR to determine what to do about the existing issues with the floor slab subsidence in the existing Building 3 on the Great Lakes Environmental Research Laboratory, Lake Michigan Field Station. The building currently provides maintenance space as well as a small wet laboratory, administrative space, attic storage and exterior bio-fuel storage. The floor slab has subsided as much as six inches in a number of places and is no longer safe to use. PPMD has evaluated the circumstances at the LMFS site and has recommended the existing Building 3 be replaced with a new two-story building and PPMD will support OAR in the scoping, contracting and contractor oversight of this project as it is executed.



Existing GLERL LMFS Site

Background: LMFS maintains/utilizes three existing buildings along with berthing facilities at their Muskegon, Michigan site. The overall site is shared with the U. S. Coast Guard. The station has small boat dock and deep-water piers for larger research vessels. LMFS's portion of the site is extremely limited. Building #1 is the original, historic, caretaker's building for the site lighthouse. Building #1 houses the site administrative offices, a meeting area, laboratory work space in the basement and limited dormitory beds on the second floor. Building #2 is occupied by the ship operations group.

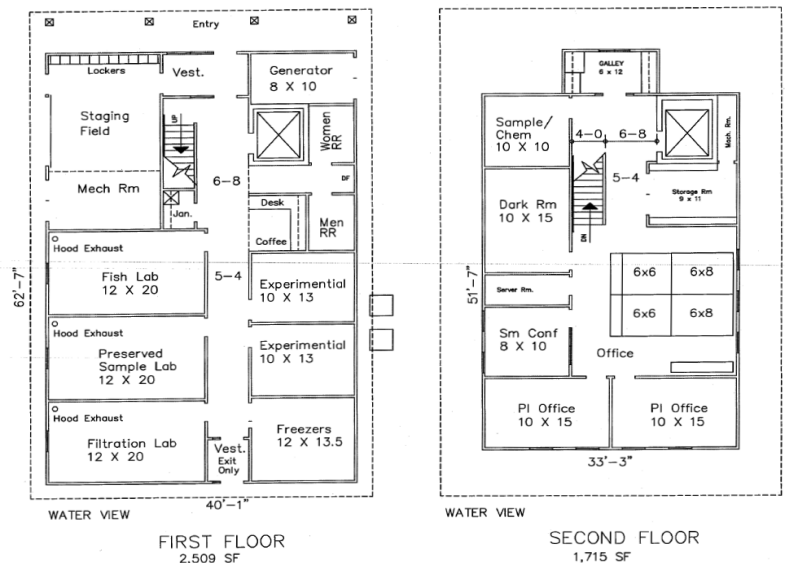
Building 3 has floor slab subsidence issues. This project will replace the existing building with a new two-story building on the existing footings/foundation. This situation presents an opportunity for OAR to correct existing issues at the LMFS to provide for consolidated lab space in a space adequate for such use and will resolve lack of storage and overall inefficiencies of the existing buildings for the mission of the field station. The building will also provide for antiquated and inadequate administrative space. The new façade for Building 3 is being proposed to utilize some aspects of the historic Building 1's architecture in order to maintain the nature of the sea-shore area.

Project Status: Design and construction of this facility will be accomplished through the design-build contract. First priority is to provide an Environmental Assessment and FONSI to meet NEPA requirements, which is planned to be awarded in FY17 as soon as possible. Additionally, a Design/Build contract will be awarded as soon as practicable after NEPA consultations

yield support for the project to go forward. If the NEPA process allows the building to go forward, the earliest date the building could be finished is second quarter FY18.



Existing Building #3



Proposed New Building 3 Floor Plan

Project Team:

- Sandra Salyars, OAR
- Michael Randall, RA, PM, COR
- D/B Contractor, TBD